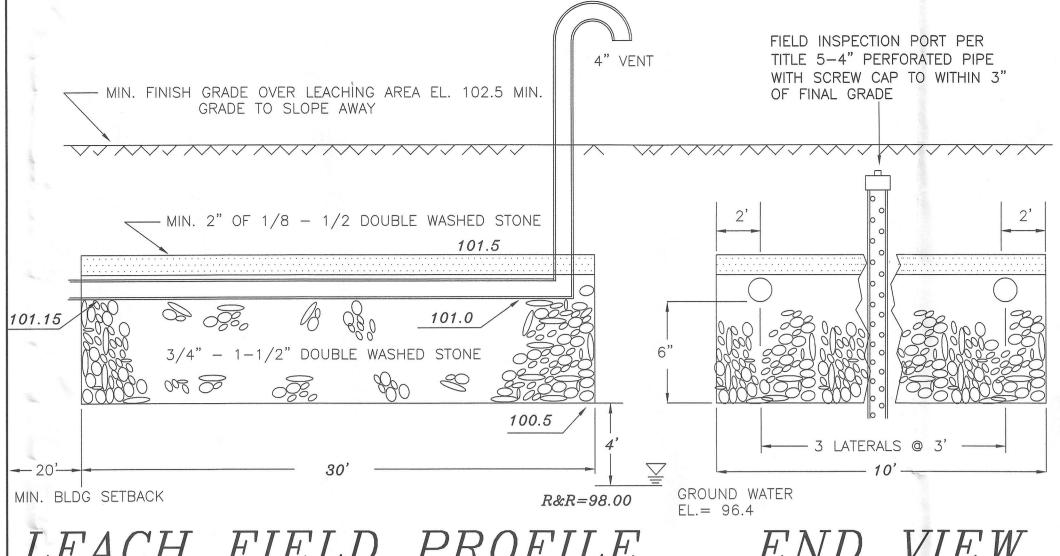


— 5" DIA. OUTLET(S) --- REMOVABLE COVER FINISH GRADE OVER DIST-BOX EL. 102.8 RISER TO WITHIN 9" OF GRADE PER TITLE 5 PROVIDE WATERTIGHT JOINTS (TYP.) 4" PVC IN FROM SEPTIC TANK 4" PVC OUT TO LEACHING FACILITY 101.43/ 101.25 5 OUTLET DISTRIBUTION BOX W/ POURED BAFFLE TO BE SET ON 6" OF CRUSHED STONE PLACED ON A COMPACTED LEVEL BASE FIRST 2' OF OUTLET PIPES TO BE LAID LEVEL AS PER TITLE V. H20 LOADING

N.T.S.



SOIL DATA

INSPECTOR: MARY FRIERE KELLOGG, BOH

DATE: 9/22/20 PERFORMED BY: DARREN MICHAELIS

TEST PIT # :1 TEST PIT # :2/3 TEST PIT # :4 EL. TOP = 100.5

SANDY LOAM

10YR 3/1

LOAMY SANDS

LOAMY SANDS

2.5Y **5/3** 15% STONES

-MOTTLES-

C2

LOAMY SANDS

2.5Y 6/4

10YR 5/4

EL. TOP = 100.9EL. TOP = 100.5EL. WATER = 96.4 MOTTLES EL. WATER = 96.0 MOTTLES EL. WATER = 96.0 MOTTLES PERC RATE = 15 MPI PERC RATE = NO TEST PERC RATE = 14 MPI DEPTH OF PERC = 24-42" DEPTH OF PERC = 24-42" DEPTH OF PERC = 28-46"

SANDY LOAM SANDY LOAM 10YR 3/1 $10YR \frac{3}{1}$ LOAMY SANDS LOAMY SANDS 10YR 5/4 10YR 5/4 LOAMY SANDS LOAMY SANDS 15% STONES 15% STONES -MOTTLES--MOTTLES-C2 LOAMY SANDS LOAMY SANDS 2.5Y 6/4 2.5Y **6/4** 

REMOVE AND REPLACE TO ELEVATION 98.0 AND REPLACE WITH MATERIAL PER NOTE 5 AS SHOWN ON THE SITE PLAN.

## GENERAL NOTES

- 1) THIS SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REGULATIONS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE REGULATIONS OF THE LOCAL BOARD OF HEALTH
- 2) THE LOCAL BOARD OF HEALTH AND THIS FIRM ARE TO BE NOTIFIED: (A) PRIOR TO BEGINNING CONSTRUCTION IN THE EXCAVATION FOR THE PURPOSE OF SOIL EXAMINATION TO INSURE CONTINUITY OF PERMEABLE MATERIAL
  - (B) PRIOR TO BACKFILLING THE COMPLETED SYSTEM FOR THE PURPOSE OF PERFORMING AN AS-BUILT INSPECTION. (C) PRIOR TO CONSTRUCTING THE SYSTEM IN A MANNER OTHER THAN SHOWN ON THIS
- 3) CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION THROUGH DIG SAFE AND OTHER APPROPRIATE AGENCIES. REPORT ANY DISCREPANCIES TO THE ENGINEER. 4) ALL SEPTIC SYSTEM COMPONENTS SHALL WITHSTAND H-10 OR H-20 LOADING AS NOTED ON
- PLAN 5) WHERE REQUIRED CONTRACTOR WILL REMOVE ALL LOAM, SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BENEATH AND FOR 5 FEET ON ALL SIDES OF THE LEACHING FACILITY. THE CONTRACTOR SHALL REPLACE ALL UNSUITABLE MATERIAL WITH CLEAN COARSE SAND FREE FROM CLAY, FINES OR OTHER UNSUITABLE MATERIAL. REPLACEMENT MATERIAL TO HAVE AN
- INPLACE PERC RATE OF TWO MINUTES 6) 4" SCHEDULE 40 PVC PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM UNLESS OTHERWISE NOTED.
- 7) THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL OR WATER CONDITIONERS. WATER CONDITIONERS SHALL DISCHARGE TO A DRYWELL.
- 8) CONTRACTOR IS TO VERIFY BENCH MARK, EXISTING INVERTS, AND TOP OF FOUNDATION PRIOR TO ANY EXCAVATION AND REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
- CONTRACTOR IS MARK ALL ELBOWS AND INSPECTION PORT WITH MAGNETIC TAPE. 10) ALL COVERS TO GRADE ARE TO BE WATERTIGHT AND SECURABLE.
- 11) THE EFFLUENT FILTER INSTALLED REQUIRES ROUTINE MAINTENANCE TO PREVENT BACKUP. 12) THE CONTRACTOR IS TO DECOMMISSION THE EXISTING SEPTIC SYSTEM IN ACCORDANCE WITH 310CMR 15.354.

### **WELL NOTE:**

LOCATED AT:

7/26/21

N.T.S.

THERE ARE NO SURFACE WATER SUPPLIES OR GRAVEL PACKED PUBLIC WATER SUPPLIES WITHIN 400 FT OF PROPOSED SYSTEM. THERE ARE NO TUBULAR PUBLIC WATER SUPPLIES WITHIN 250 FT OF THE PROPOSED SYSTEM. THERE ARE NO PRIVATE WATER SUPPLIES WITHIN 150 FT OF PROPOSED SYSTEM OTHER THAN

53 HIGH STREET

ENGINEERING INC. 518 COUNTY ROAD (WISHBONE WAY)

WEST WAREHAM, MA 02576 TEL. (508) 245-2148 foresight\_enginc@yahoo.com

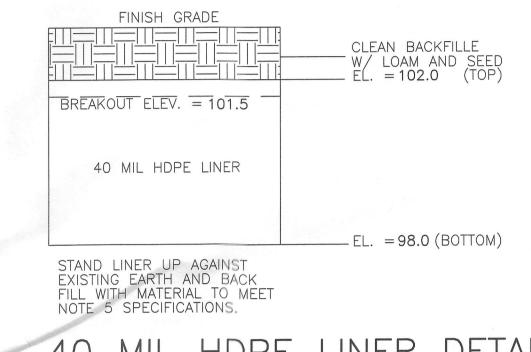
ASSONET, MASSACHUSETTS

K.W. FS16-084

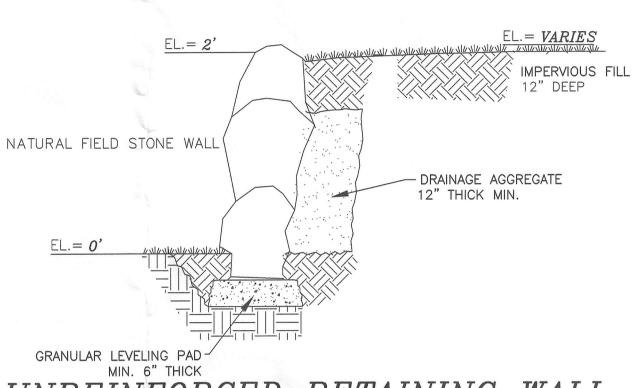


FS16-084SDS

SHEET 2 OF



NOT TO SCALE



UNREINFORCED RETAINING WALL

NOT TO SCALE

## MICROFAST 0.5 NOTES

- 1) BLOWER PIPING TO FAST MAY NOT EXCEED 100 FT TOTAL LENGTH AND USE A MAXIMUM OF 4 ELBOWS IN THE PIPING SYSTEM @ 100 FT. FOR DISTANCE GREATER THAN 100 FT CONSULT THE FACTORY. BLOWER MUST BE LOCATED ABOVE FLOOD LEVELS ON CONCRETE BASE 24"x18"x1" MINIMUM.
- 2) VENT TO BE LOCATED ABOVE FINISH GRADE OR HIGHER TO AVOID INFILTRATION. CAP WITH A VENT GRATE WITH AT LEAST 7.1 SQ. IN. OPEN SURFACE AREA OR RUN TO DESIRED LOCATION AND COVER OPENING WITH VENT GRATE WITH AT LEAST 7.1 SQ. IN. OPEN SURFACE AREA. SECURE WITH STAINLESS STEEL SCREWS. VENT PIPING MUST NOT ALLOW EXCESS MOISTURE BUILD UP OR BACK PRESSURE.
- 3) ALL APPURTENANCES TO FAST (E.G. TANK PUMP OUTS , ETC..) MUST CONFORM TO ALL APPLICABLE COUNTRY, STATE, PROVINCE, AND LOCAL PLUMBING AND ELECTRICAL CODES. BLOWER CONTROL SYSTEM BY BIO-MICROBICS, INC.
- 4) TANK VOLUME MUST BE INCREASED BY 20% IF MINIMUM OF 10" IS USED BETWEEN THE UNIT AND THE BASE OF THE TANK. CONSULT FACTORY FOR APPROVAL.
- 5) THE PRIMARY COMPARTMENT MAY BE A SEPARATE TANK.
- 6) EITHER THE INFLUENT PIPE TEE SHALL BE FITTED WITH A PIPE CAP OR THE BAFFLE SEPARATING THE TWO ZONES SHALL BE EXTENDED ALL THE WAY TO THE TOP OF THE TANK. IF CHOOSING TO USE THE PIPE CAP, THEN THE BAFFLE SHALL BE AT LEAST 3" HIGHER THAN LIQUID LEVEL AS SHOWN IN DETAIL.
- 7) ALL INSPECTION VIEWING AND PUMP OUT PORTS MUST BE SECURED TO PREVENT ACCIDENTAL OR UNAUTHORIZED ACCESS.
- 8) TANK, PIPING, CONDUIT, BLOWER HOUSING PAD AND VENTS ARE PROVIDED BY OTHERS.
- 9) ALL PIPING AND ANCILLARY EQUIPMENT INSTALLED AFTER FAST MUST NOT IMPEDED OR RESTRICT FREE FLOW OF EFFLUENT.
- 10) THE AIR SUPPLY LINE INTO THE FAST UNIT MUST BE SECURED TO PREVENT VIBRATION INDUCED DAMAG. THE AIR SUPPLY LINE SHOULD BE SECURED WITH NON-CORROSIVE CLAMP EVERY 2' MIN. FOR ALTERNATE AIR SUPPLY OPTION CONTACT MICROFAST FOR DETAILS AND GET WRITTEN APPROVAL FROM FORESIGHT ENGINEERING INC.
- 11) MIN HEIGHT MAY BE REDUCED, CONSULT FACTORY AND REFERENCE "SHORT-FAST-MODULE-PROCEDURE. PDF".

## STANDARD CONDITIONS FOR SECONDARY TREATMENT UNITS APPROVED FOR REMEDIAL USE. MARCH 20.2015

II. DESIGN AND INSTALLATION REQUIREMENTS:

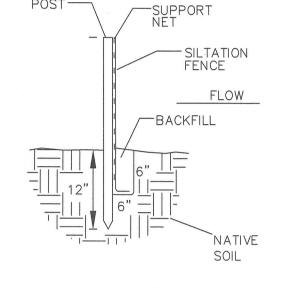
a) ALLOWABLE REDUCTION OF SAS UP TO 50% AND/OR

IV. SYSTEM OWNER REQUIREMENTS: 1-22

DEED NOTICE TO BE RECORDED

O&M CONTRACT REQUIRED

MAINTAIN ALL INSPECTION RECORDS SUBMITTED BY 3/1



# NOT TO SCALE

#### NOTICE OF INTENT REQUIRED NOTE

A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT. NO WORK IS TO BE DONE WITHIN THE BUFFER ZONE UNTIL THE ORDER OF CONDITIONS HAVE BEEN RECEIVED AND RECORDED. HAYBALES AND SILTFENCE EROSION BARRIER SHALL BE INSTALLED PRIOR TO ANY WORK WITHIN THE BUFFER ZONE AND THE LOCAL THE EROSION BARRIER.

#### WETLAND REPLICATION CONSTUCTION SEQUENCE

- 1. SILT FENCE DOWN GRADIENT ALONG WETLAND FROM FLAG 2-2 TO 2-5 AND FLAG 2-10 TO 2-11 SHALL BE INSTALLED
- 2. THE REPLICATION AREA SHOULD BE STAKED OUT FOR LIMITS OF EXCAVATION.
- 3. ALL SALVAGEABLE TOP SOILS FROM THE REPLICATION AREA SHALL BE STOCK PILED IN UPLAND AREA SURROUNDED BY SILT FENCE.
- 4. THE REPLICATION AREA SHALL THEN BE EXCAVATED 12" BELOW EXISTING GRADE
- 5. SALVAGED TOP SOILS CAN THEN BE SPREAD AS BASE LAYER OVER REPLICATION AREA
- 6. A FINAL LAYER OF 6" OF HYDRIC SOILS SHALL BE SPREAD THROUGHOUT THE REPLICATION AREA
- 7. SHRUBS SHALL BE PLANTED AS SHOWN ON PLAN
- 8. ALL DISTURBED AREAS WILL THEN BE IMMEDIATELY SEEDED WITH NEE WETLAND MIX PER CHART
- 9. SILT FENCE SHALL BE PLACED UPGRADIENT FROM REPLICATION AREA UNTIL VEGETATION HAS TAKEN IN AREA. TREE & SHRUB PLANTING SCHEDULE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
HBB	HIGHBUSH BLUEBERRY	Vaccinium corymbosum	2'	2
SAZ	SWAMP AZALEA	Rhododendron viscosum	2'	2
SB	SWEET PEPPER BUSH	Ciethra Alnifolia	2'	2
CS	COMMON SPICEBUSH	Lindera benzoin	2'	2
RM	RED MAPLE	Acer Rubrum	3'	1
	SAZ SB CS	HBBHIGHBUSH BLUEBERRYSAZSWAMP AZALEASBSWEET PEPPER BUSHCSCOMMON SPICEBUSH	HBBHIGHBUSH BLUEBERRYVaccinium corymbosumSAZSWAMP AZALEARhododendron viscosumSBSWEET PEPPER BUSHCiethra AlnifoliaCSCOMMON SPICEBUSHLindera benzoin	HBBHIGHBUSH BLUEBERRYVaccinium corymbosum2'SAZSWAMP AZALEARhododendron viscosum2'SBSWEET PEPPER BUSHCiethra Alnifolia2'CSCOMMON SPICEBUSHLindera benzoin2'

THE BASE OF THE REPLICATION AREA AND THE SIDE SLOPES OF EXCAVATION ARE TO BE SEEDED WITH ONE POUND PER 2,500

COMMON NAME	SCIENTIFIC NAME	% IN MIX	NWI RATING	COMMENTS	
LURID SEDGE	Carex Iurida	30	OBL	A low ground cover that tolerates mesic sites in addition to saturated area: prolific seeder in second growing season.	
FOWL MEADOW GRASS	Glyceria canadensis	25	OBL	Prolific seed producer that is a valuable wildlife resource	
FRINGED SEDGE	Carex crinita	10	OBL	A medium to large sedge that tolerates saturated areas, good seed producer	
JOE-PYE WEED	Eupatoriadelphus maculatus	10	FACW	Flowering plant that is a valuable wildlife cover, grows 4 feet	
BROOM SEDGE	Carex spp Ovales group	10	FACW-OBL	Tolerates a wide range of hydrolic conditions	
WOOLGRASS	Scirpus cyperinus	5	FACW+	Tolerates fluctuating hydrology	
BONESET	Eupatorium perfoliatum	5	FACW+	Flowering plant that is valuable for wildlife cover, Grows 3 feet	
TUSSOCK SEDGE	Carex stricta	<5	OBL	Grows in elevated hummocks on wet sites, may grow rhizomonously on drier sites	
BLUE VERVAIN	Verbena hastata	<5	FACW+	A native plant that bears attractive blue flowers	